



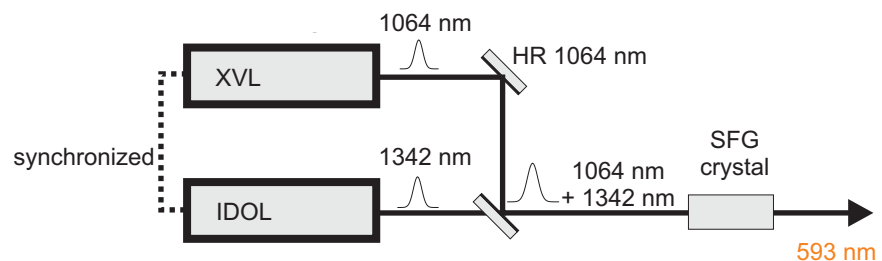
ORANGE



The **ORANGE** is a Nd:YVO₄ solid state laser based on diode-pumped Q-switched laser technology. The main products of our company are lasers with an emission wavelength of 1064nm and 1342nm which provide exceptionally short pulses. A proprietary pulse synchronization of the XVL-Series (1064nm) and the IDOL-Series (1342nm) generates a wavelength of 593nm by a SFG process. The system delivers an excellent pulse -to pulse- stability of less than 5%.

The lasers accomplish pulse durations shorter than 10ns and high peak power with an excellent beam quality.

This new type of powerful lasers fills the gap in the orange spectral range and opens up to new application areas.



For seamless integration into OEM applications the laser system is completely computer controlled. The 19"/3U rack mount XPN-Series power supply includes thermal and electrical management. The laser diode array slot housing is field replaceable by the customer without alignment or calibration procedures. The laser uses accurate thermoelectric coolers.

ORANGE Laser Specifications

General Characteristics ^a	
model	ORANGE
wavelength	593 nm
avg. output power	> 1.5 W @ 15 kHz
pulse energy	100 µJ @ 15 kHz
pulse duration	< 10 ns @ 15 kHz
spatial mode	TEM ₀₀ , M ² < 1.4

Notes:

a) Specifications are subject to change without notice due to product improvement.
 This product is intended for OEM use only as a component or replacement thereof.
 Therefore it is exempt from the performance standard for laser products in accordance with 21CFR1040.10(a)(1) or (2) and DIN EN 60825-1.

Typical performance

